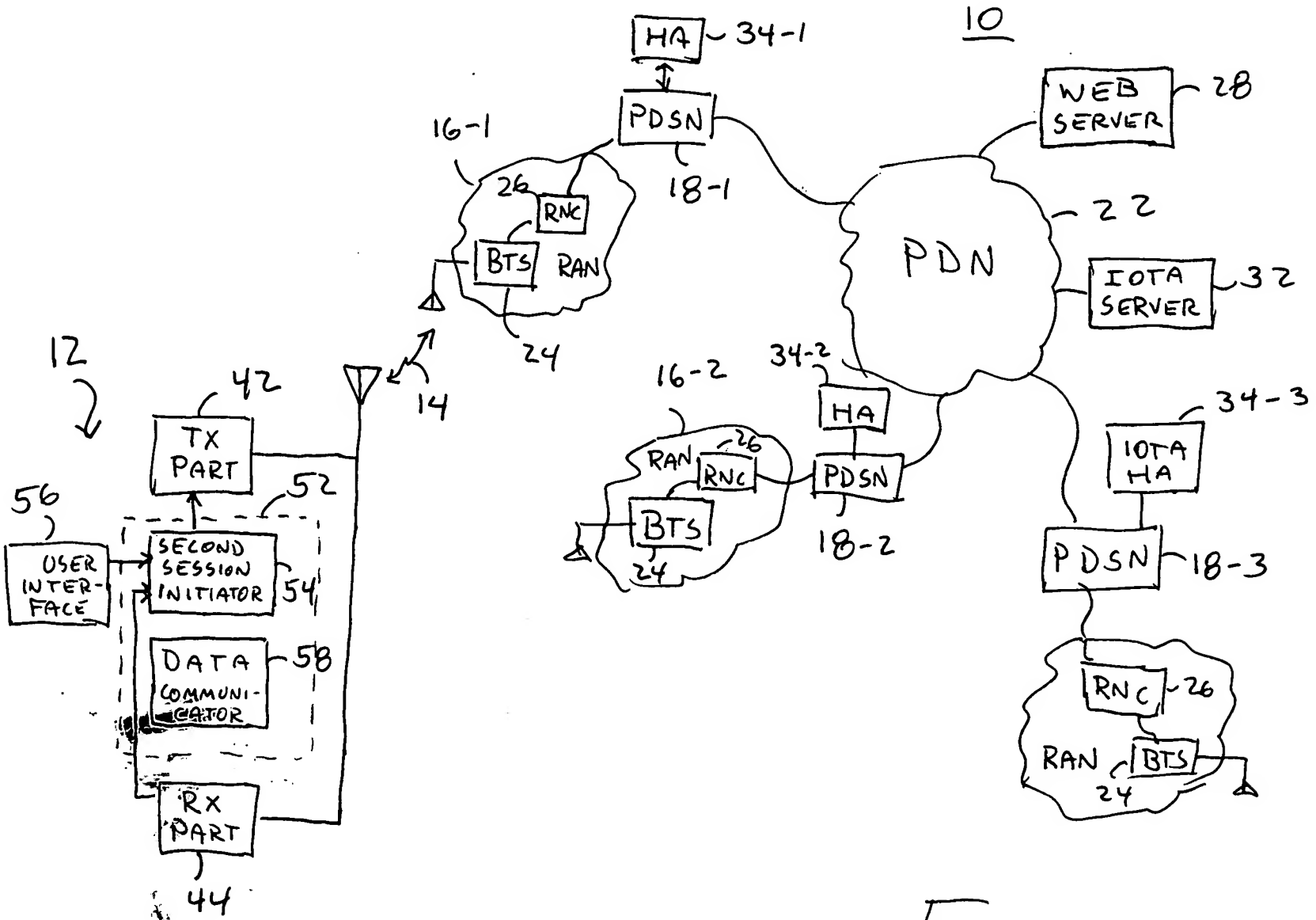
10
HA
34-1
PDSN
18-1
16-1
26
RNC
BTS
RAN
24
WEB SERVER
28
PDN
22
IOTA SERVER
32
12
42
TX PART
14
56
USER INTER-FACE
52
SECOND SESSION INITIATOR
54
DATA COMMUNI-CATOR
58
RX PART
44
16-2
34-2
HA
RAN
26
RNC
BTS
24
PDSN
18-2
34-3
IOTA HA
PDSN
18-3
RNC
26
RAN
BTS
24

FIG. 1

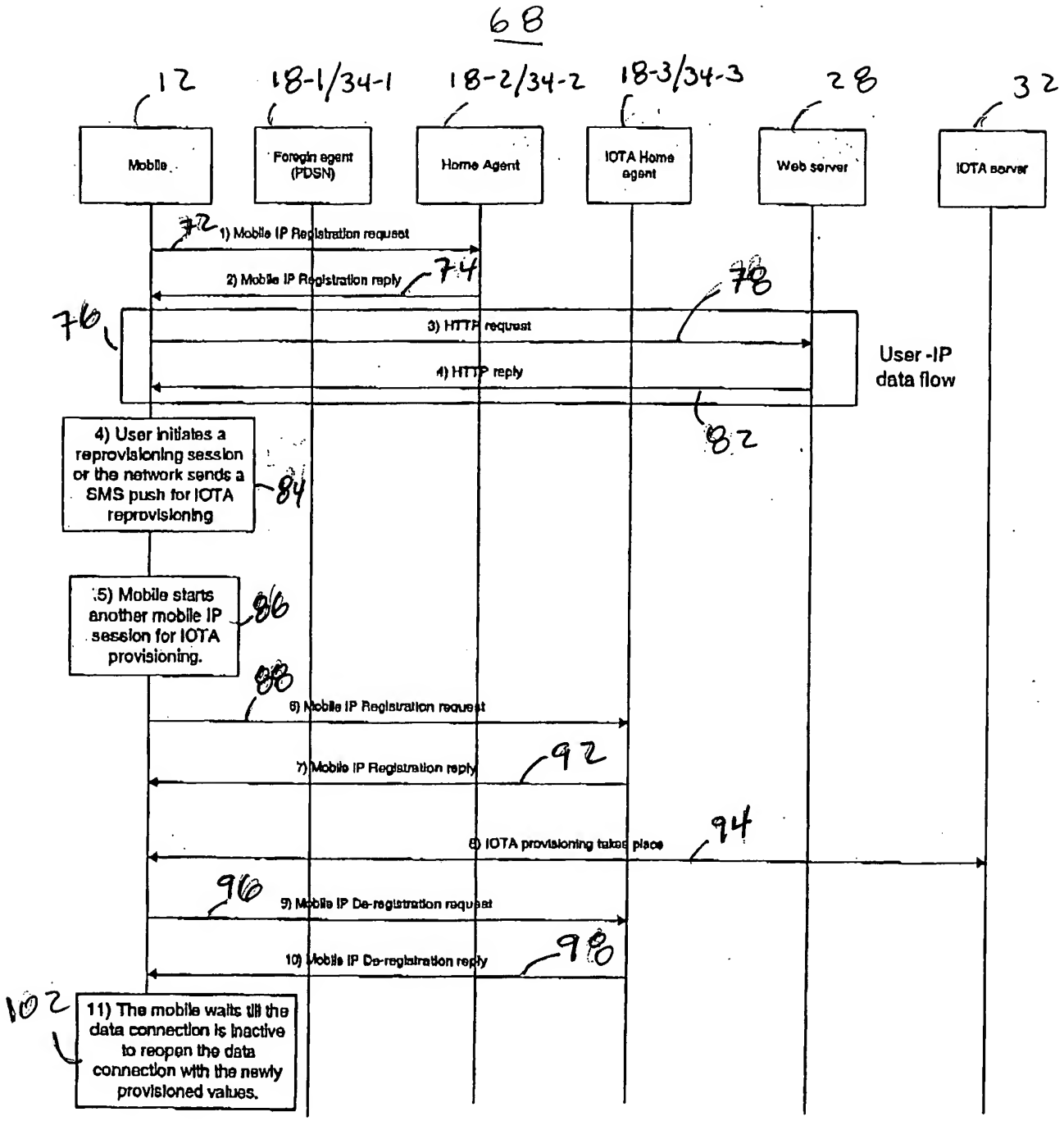
68
12
18-1/34-1
18-2/34-2
18-3/34-3
28
32
Mobile
Foreign agent (PDSN)
Home Agent
IOTA Home agent
Web server
IOTA server
72
1) Mobile IP Registration request
2) Mobile IP Registration reply
74
78
76
3) HTTP request
4) HTTP reply
User -IP data flow
82
4) User initiates a reprovisioning session or the network sends a SMS push for IOTA reprovisioning
84
5) Mobile starts another mobile IP session for IOTA provisioning.
86
88
6) Mobile IP Registration request
7) Mobile IP Registration reply
92
8) IOTA provisioning takes place
94
96
9) Mobile IP De-registration request
10) Mobile IP De-registration reply
98
102
11) The mobile waits till the data connection is inactive to reopen the data connection with the newly provisioned values.

FIG. 2

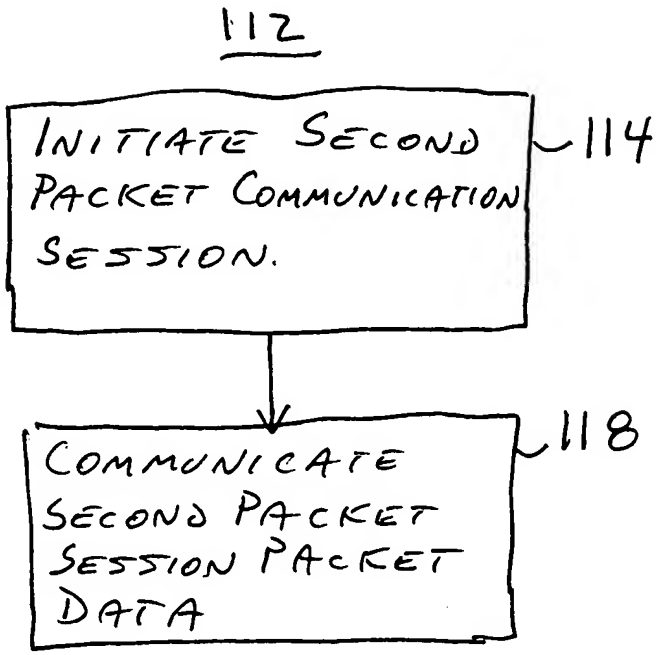
112
INITIATE SECOND PACKET COMMUNICATION SESSION.
114
COMMUNICATE SECOND PACKET SESSION PACKET DATA
118

FIG. 3